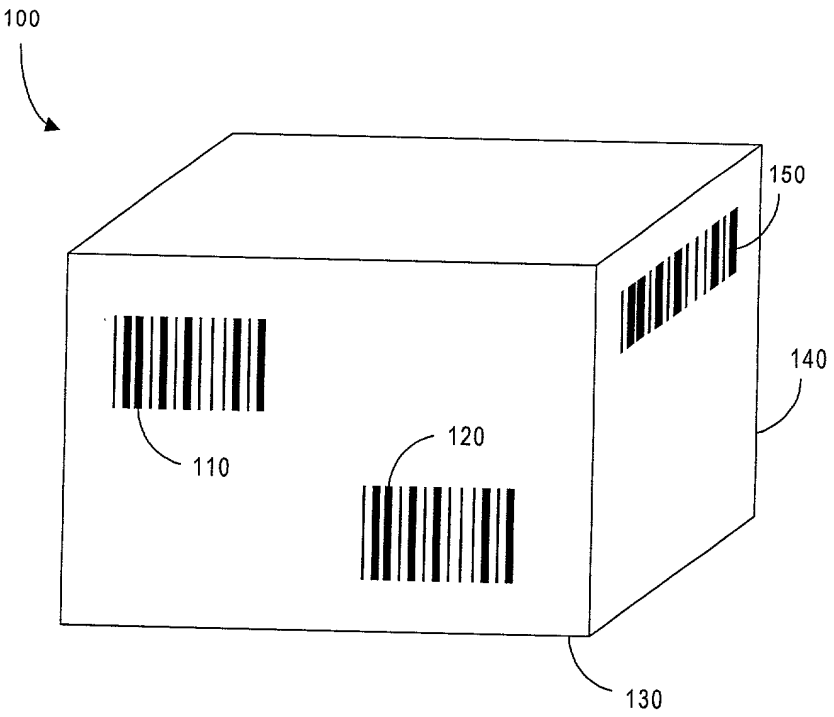


FIG. 1

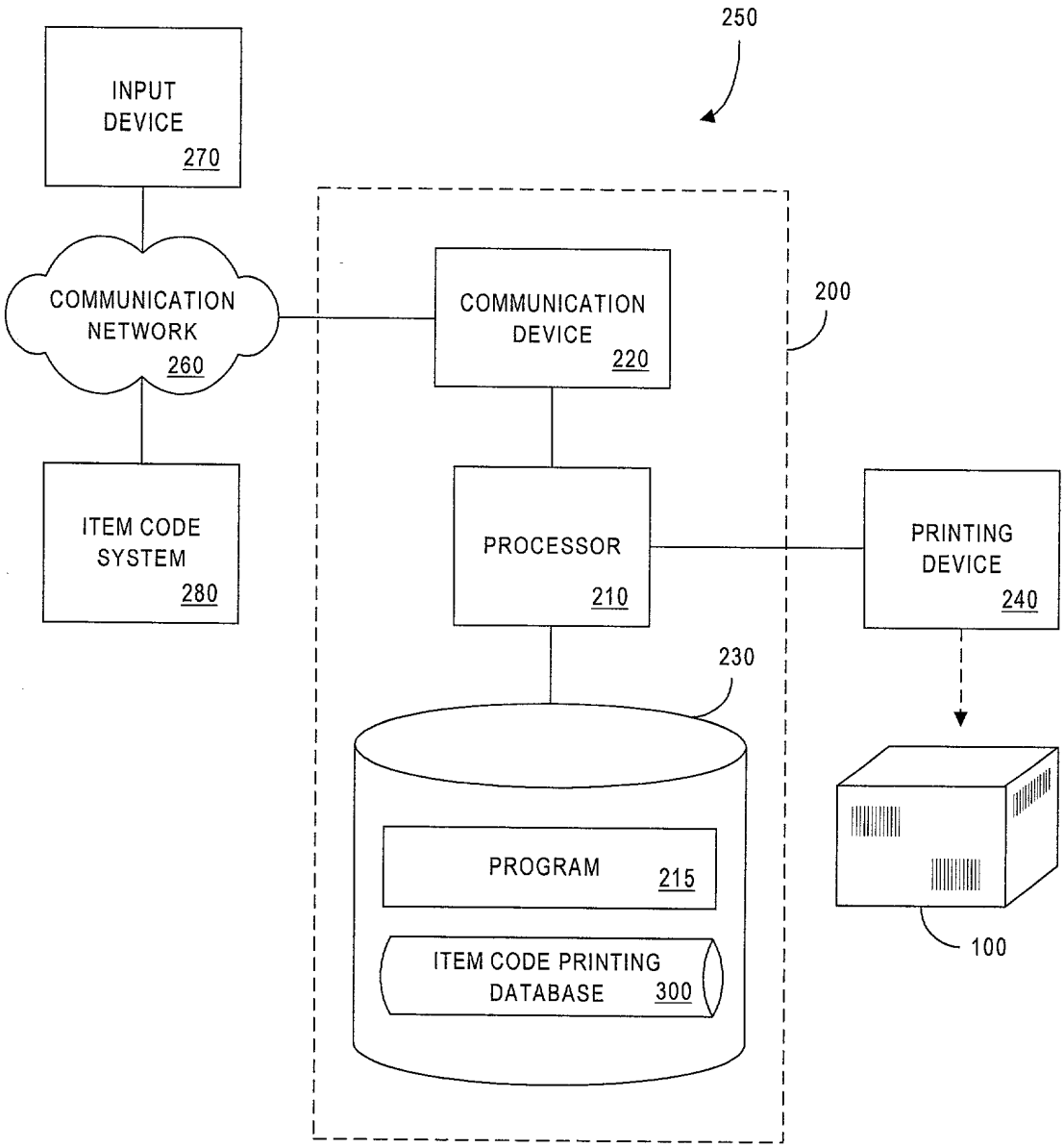
250
INPUT DEVICE 270
COMMUNICATION NETWORK 260
ITEM CODE SYSTEM 280
COMMUNICATION DEVICE 220
200
PROCESSOR 210
PRINTING DEVICE 240
230
PROGRAM 215
ITEM CODE PRINTING DATABASE 300
100

FIG. 2

300

| ITEM IDENTIFIER 302 | ITEM DESCRIPTION 304 | ITEM CODE IDENTIFIER 306 | ITEM CODE INFORMATION 308 | SUPPLEMENTAL INFORMATION 310 |
|---|---|---|---|---|
| I101 | MAGAZINE | IC101-01 | UPC CODE: 72179-00213 | PRINT ITEM CODE ON BOTH SIDES |
| I201 | SOFTWARE MEDIUM | IC201-01 | LICENSE CODE: 20101 | INSTRUCTIONS FOR USER |
| I201 | SOFTWARE MEDIUM | IC201-02 | LICENSE CODE: 20102 | EXECUTABLE.EXE |
| I301 | PACKAGE | IC301-01 | ADDRESS: 111 ELM ST, NY, NY | TO BE UPDATED UPON DELIVERY |
| I401 | AUTOMOBILE | IC401-01 | VIN INFORMATION: 123456789 | NONE |

FIG. 3

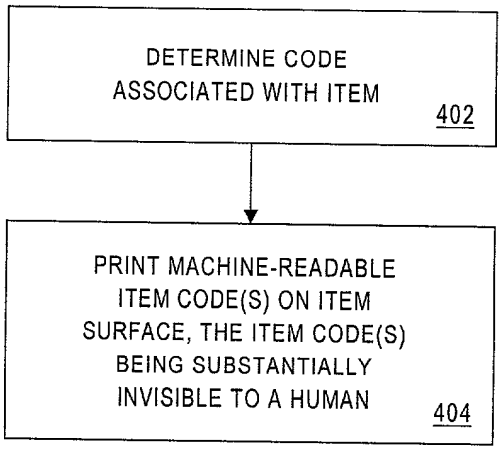
DETERMINE CODE ASSOCIATED WITH ITEM
402
PRINT MACHINE-READABLE ITEM CODE(S) ON ITEM SURFACE, THE ITEM CODE(S) BEING SUBSTANTIALLY INVISIBLE TO A HUMAN
404

FIG. 4

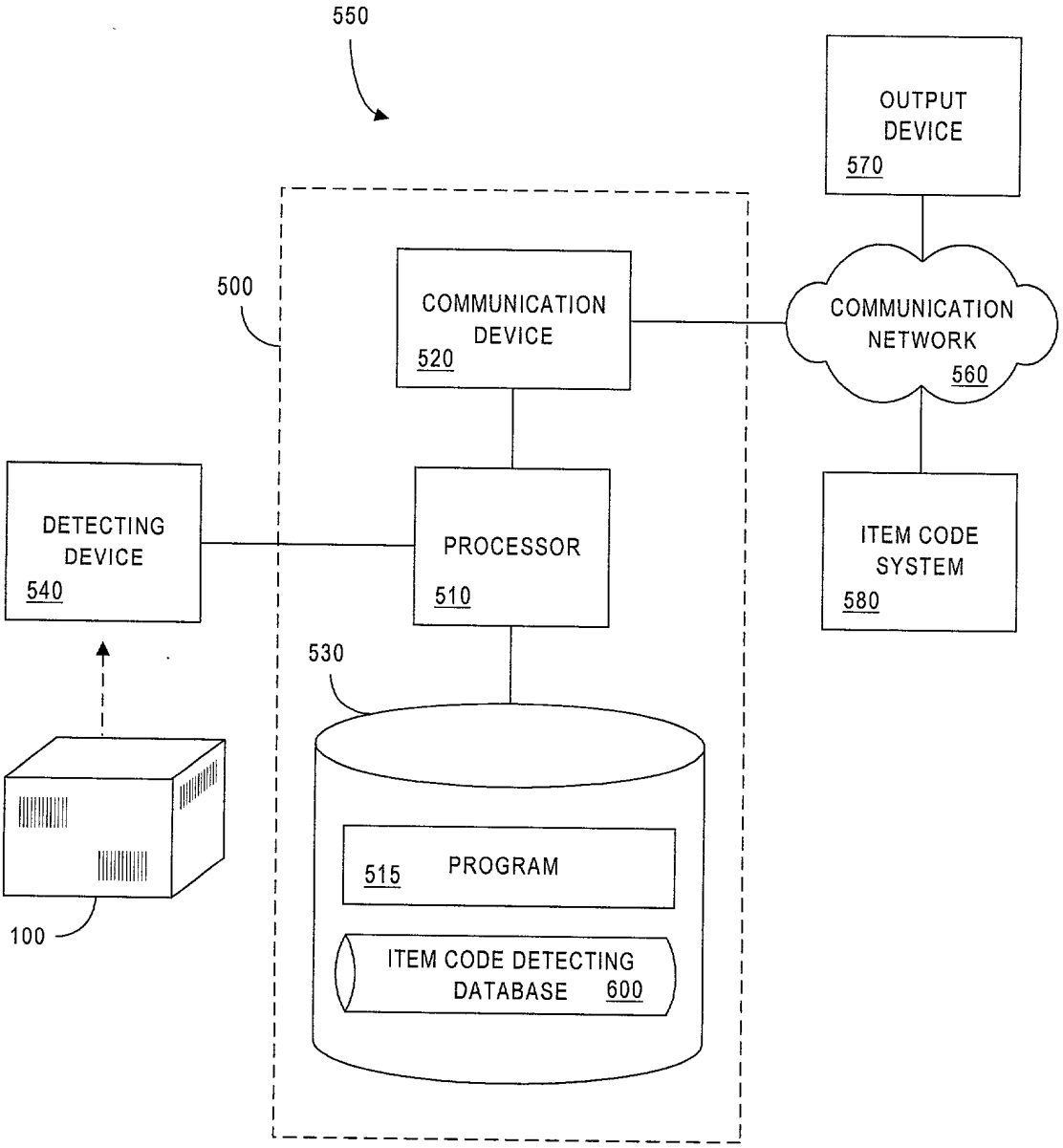
550
OUTPUT DEVICE
570
500
COMMUNICATION DEVICE
520
COMMUNICATION NETWORK
560
DETECTING DEVICE
540
PROCESSOR
510
ITEM CODE SYSTEM
580
530
515 PROGRAM
ITEM CODE DETECTING DATABASE 600
100

FIG. 5

600

| ITEM CODE INFORMATION 602 | ITEM IDENTIFIER 604 | ITEM DESCRIPTION 606 | SUPPLEMENTAL INFORMATION 608 |
|---|---|---|---|
| UPC CODE: 72179-00213 | I101 | MAGAZINE | NONE |
| LICENSE CODE: 20101 | I201 | SOFTWARE MEDIUM | INSTRUCTIONS |
| LICENSE CODE: 20102 | I201 | SOFTWARE MEDIUM | EXECUTABLE INFORMATION |
| ADDRESS: 111 ELM ST, NY, NY | I301 | PACKAGE | UPDATED ON 07/04/02 |
| VIN INFORMATION: 123456789 | I401 | AUTOMOBILE | NONE |

FIG. 6

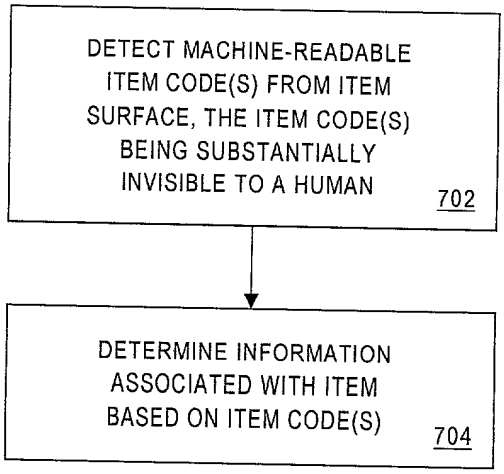
DETECT MACHINE-READABLE ITEM CODE(S) FROM ITEM SURFACE, THE ITEM CODE(S) BEING SUBSTANTIALLY INVISIBLE TO A HUMAN
702
DETERMINE INFORMATION ASSOCIATED WITH ITEM BASED ON ITEM CODE(S)
704

FIG. 7

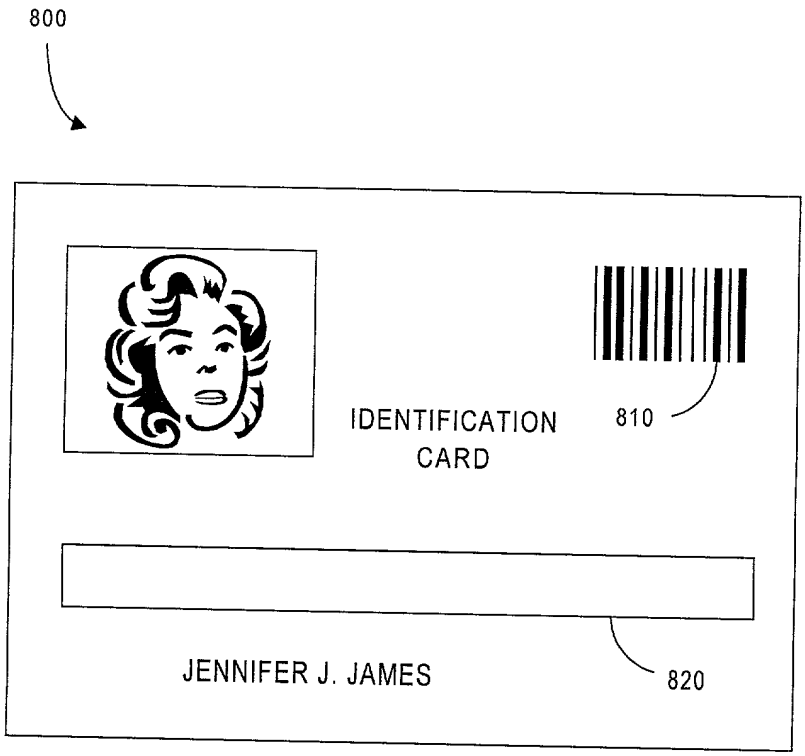


FIG. 8